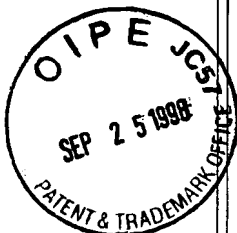


I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Assistant Commissioner for Patents,
Washington, D.C. 20231,
on

PATENT

Attorney Docket No. 016994-003125US



9/21/98
TOWNSEND and TOWNSEND and CREW

By Denise M. Walker

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

H. Deboer et al.

)
)
) Examiner: Karen Hauda

Application No.: 08/476,798

)
)
) Art Unit: 1632

Filed: June 7, 1995

)
)
)
)
) For: PRODUCTION OF RECOMBINANT
POLYPEPTIDES BY BOVINE
SPECIES AND TRANSGENIC
METHODS

)
)
)
)
) Amendment After Final

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please amend the application as follows.

In the Claims

Please cancel claims 98-113. Please add the following new claims.

114. A transgenic or chimeric bovine whose mammary gland cells contain a transgene, wherein the transgene comprises in operable association:

a mammary gland specific promoter;

a mammary gland specific enhancer;

a DNA sequence encoding a signal sequence functional in bovine mammary gland secretory cells; and

a DNA sequence encoding a polypeptide of interest, wherein the transgenic or chimeric bovine or a female descendant of the transgenic bovine expresses the transgene in mammary secretory cells such that the polypeptide of interest is detectable in milk

Sub
41
E

E